

ENGINEERING AND PHYSICS DEPARTMENT

FIRST YEAR ADVISING SHEET

Engineering (with concentrations in Mechanical Engineering, Electrical Engineering, or Sustainable Design Engineering), Computer Engineering, Industrial Engineering Management, Physics, and Physics-Secondary Education

For students whose math placement is MA121

FALL					
Some students will register for: EN150 Advanced Writing & Language (4 cr.)					
Major	FYS (4 cr.) First Year Seminar	PHY200** (4 cr.) College Physics I	MA121** (4 cr.) Calculus I	EGR100 (2 cr.) Introduction to Engineering I	ED105 (3 cr.) Foundations of Education
Engineering – ME/EE/SD	R	R	R	R	
Computer Engineering	R	R	R	R	
Industrial Engineering Management	R	R	R	R	
Physics	R	R	R		
Physics – Secondary Education	R	‡	R		R

SPRING							
Major	PHY200** (4 cr.) College Physics I	PHY201 (4 cr.) College Physics II	MA122 (4 cr.) Calculus II	EGR110 (2 cr.) Introduction to Engineering II	EN100** (4 cr.) Writing & Language	CS121 (4 cr.) Computer Science I	ED105 (3 cr.) Foundations of Education
Engineering – ME/EE/SD		R	R	R	R	S	
Computer Engineering		R	R	R	R	S	
Industrial Engineering Management		R	R	R	R	S	
Physics		R	R		R	S	
Physics – Secondary Education	‡R	‡ (after PHY200)	R		R	S	R

S=Suggested: For students above a 3.0 GPA in the fall semester, we recommend 18 credits in the spring semester.

R=Required

**Accepted for Core

‡ Physics - Secondary Education majors may take PHY200 in first semester (because of GPA requirements to remain in Education majors, it is often advisable to take PHY200 **after** completing MA121)

ENGINEERING AND PHYSICS DEPARTMENT

For students whose math placement is MA121 + MA101

FALL					
Some students will register for: EN150 Advanced Writing & Language (4 cr.)					
Major	FYS (4 cr.) First Year Seminar	PHY200** (4 cr.) College Physics I	MA121** (4 cr.) Calculus I	MA101 (2 cr.) Pre-Calculus Review	ED105 (3 cr.) Foundations of Education
Engineering – ME/EE/SD	R	R	R	R	
Computer Engineering	R	R	R	R	
Industrial Engineering Management	R	R	R	R	
Physics	R	R	R	R	
Physics – Secondary Education	R	‡	R	R	R

SPRING						
Major	PHY200** (4 cr.) College Physics I	PHY201 (4 cr.) College Physics II	MA122 (4 cr.) Calculus II	EN100** (4 cr.) Writing & Language	CS121 (4 cr.) Computer Science I	ED105 (3 cr.) Foundations of Education
Engineering – ME/EE/SD		R	R	R	S	
Computer Engineering		R	R	R	S	
Industrial Engineering Management		R	R	R	S	
Physics		R	R	R	S	
Physics – Secondary Education	‡R	‡ (after PHY200)	R	R	S	R

S=Suggested: We recommend students complete 16 credits in the spring semester.

R=Required

**Accepted for Core

NOTES

Dr. Atwood, Dr. DeGoede and Jennifer McFadden in the Engineering & Physics Department help create first- semester freshman schedules. All FYS advisors should consult them with any questions.

Engineering majors should refer to the college catalog regarding specific core exceptions to each engineering major.

Students with computer experience should discuss with Dr. Leap (*Computer Science Department*) the advisability of enrolling in a higher-numbered computer science course in place of CS121.